



# UNITED STATES PATENT AND TRADEMARK OFFICE

*Dolan*  
UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/789,364	02/27/2004	William E. Glenn	FAU-02-17	5138
7590	07/22/2005		EXAMINER	
Martin Novack 16355 Vintage Oaks Lane Delray Beach, FL 33484			KOVAL, MELISSA J	
			ART UNIT	PAPER NUMBER
			2851	

DATE MAILED: 07/22/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/789,364	GLENN, WILLIAM E.	
	Examiner Melissa J. Koval	Art Unit 2851	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on July 11, 2005.
- 2a) This action is FINAL.                    2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters; prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-35 is/are pending in the application.
- 4a) Of the above claim(s) 6-22 and 27-35 is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 1-5 and 23-26 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 27 February 2004 is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) All    b) Some \* c) None of:
    1. Certified copies of the priority documents have been received.
    2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: \_\_\_\_\_.

## DETAILED ACTION

### ***Election/Restrictions***

Applicant's election without traverse of claims in the reply filed on July 11, 2005 is acknowledged. The following remarks: "Applicant has made the above election to comply with a requirement of the Examiner, but does not necessarily agree with the Examiner's characterization regarding non-generic claims and/or the Examiner's definition of species." as set forth by applicant in the reply filed on July 11, 2005 are not interpreted by the examiner to be a traversal.

Claims 6 through 22, and 27 through 35 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected species, there being no allowable generic or linking claim. Election was made **without** traverse in the reply filed on July 11, 2005.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless —

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-5 and 23-26 are rejected under 35 U.S.C. 102(e) as being anticipated by Tanner et al. U.S. Patent 6,751,001 B1.

Claim 1 sets forth: "Apparatus for displaying images represented by image-representative input signals, comprising (See Figures 1 and 2.):

rows of micro light sources for producing sheets of light (See light source 101 as described in column 3, lines 44 through 67, and column 4, lines 1 and 2. Also see light sources 101a, 101b and 101c as described in column 8, lines 4 through 34.);

a diffractive panel, in the path of said sheets of light, which receives said input signals and diffracts said sheets of light to obtain diffracted light imparted with image-representative information (See light modulators 105 as described in column 4, lines 58 through 67, and column 5, lines 1 through 36, for example.); and

a Schleiren optical system for processing said diffracted light to produce images represented by said image-representative input signals(See column 7, lines 52 through 61.)."

Claim 2 sets forth: "Apparatus as defined by claim 1, wherein said input signals comprise video signals." See column 1, lines 10 through 35, column 5, lines 58 through 67, and column 6, lines 1 through 17.

Claim 3 sets forth: "Apparatus as defined by claim 1, wherein said micro light sources comprise microlasers." See column 3, lines 50.

Claim 4 sets forth: "Apparatus as defined by claim 1, wherein said Schleiren optical system includes a Schleiren lens, output Schleiren bars, and a projection lens." Again see column 7, lines 52 through 61.

Claim 5 sets forth: "Apparatus as defined by claim 1, wherein said diffractive panel comprises a transmissive liquid crystal panel." See column 4, lines 58 through 67.

Claims 23 through 26 are rejected for the same reasons already applied to rejected claims 1 through 5 above.

***Conclusion***

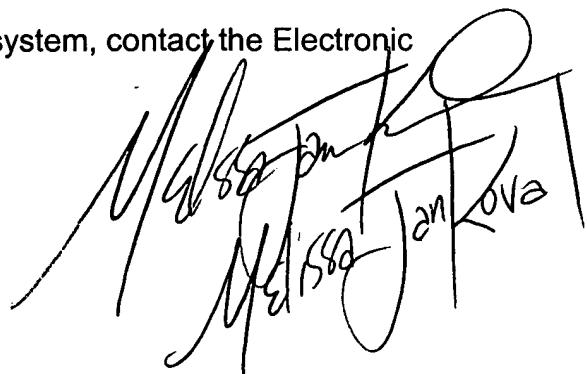
The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Dolgoff U.S. Patent Application Publication US 2003/0076423 A1 teaches an optical element to reshape light with color brightness and uniformity.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Melissa J. Koval whose telephone number is (571) 272-2121. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Judy Nguyen can be reached on (571) 272-2258. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, appearing to read "Melissa J. Koval". The signature is fluid and cursive, with "Melissa" on top, "J." in the middle, and "Koval" on the bottom right.